Contact

+86-13472738184 (Mobile)
zakoota11@hotmail.com

www.linkedin.com/in/zakirullah300 (LinkedIn)
www.wearablesystems.org/people (Company)

Top Skills

Application Programming Interfaces (API)
Multi-agent Systems
API Development

Languages

Chinese (Limited Working)
English (Native or Bilingual)

Zakir Ullah

Machine Learning Engineer | Developing AI Solutions for Real-Time Data, Sensor Integration, LLM multi agents and Robotics
Minhang District, Shanghai, China

Summary

I specialize in crafting intelligent systems that merge advanced AI with practical applications. From developing LLM-driven multi-agent systems for psychometric analysis to building real-time control systems for magnetic soft robots, my work bridges theory and impactful innovation. Passionate about biomedical technologies, I've engineered solutions like EMG-based gait monitoring systems and GAN-enhanced image segmentation for medical imaging. With expertise in reinforcement learning, signal processing, and NLP, I thrive on solving complex challenges. Explore projects that redefine possibilities in AI-driven automation, soft robotics, and healthcare tech. Always open to collaboration and pushing boundaries

Experience

SageMotion

Machine Learning Engineer
April 2023 - Present (1 year 8 months)
United States

1. Specialized in developing data-driven solutions for real-time movement analysis in wearable technology.
2. Integrated EMG and IMU sensors, applying advanced signal processing and creating predictive models
for biomechanical applications with and without haptic feedback.
3. Improved accuracy of ground reaction force predictions, contributing to advancements in wearable
technology for performance and health monitoring.
4. Interacted with customers and team on GitHub, addressing bugs, gathering feedback, and resolving
issues.
5. Created a C++ SDK with a Python interface for Bluetooth/WiFi-enabled EEG devices, along with a real-
time data visualization GUI using PyQt5 and Lab Streaming Layer (pylsl).

Centific

Machine Learning Data Operations Lead

June 2018 - March 2022 (3 years 10 months)

Seattle, Washington, United States

1. Managed data annotation for NLP tasks including intent recognition, speech-to-text, and text summarization, enabling high-quality training datasets for predictive models.
2. Data mining using web crawling for LLM datasets for State-of-the-art TTS and LLM models

Education

Shanghai Jiao Tong University

Doctor of Philosophy - PhD, Mechanical Engineering · (September 2022 - July 2026)

Beihang University

Master's degree, Mechnical Engineering and Automation · (2018 - 2020)

Beihang University

Bachelor of Engineering (B.E.), Mechanical Engineering · (2014 - 2018)